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# United States Patent [19]

Moore

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## [54] METHOD OF MAKING A CONDUCTIVE DOWNHOLE WIRE LINE SYSTEM

[76] Inventor: Boyd B. Moore, 427 Mignon, Houston,  
Tex. 77024

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166/77.1; 166/385; 254/134.3 R[58] Field of Search ..... 166/65.1, 77.1,  
166/77.2, 242.2, 384, 385; 16/81; 254/134.3 FT,  
134.3 R

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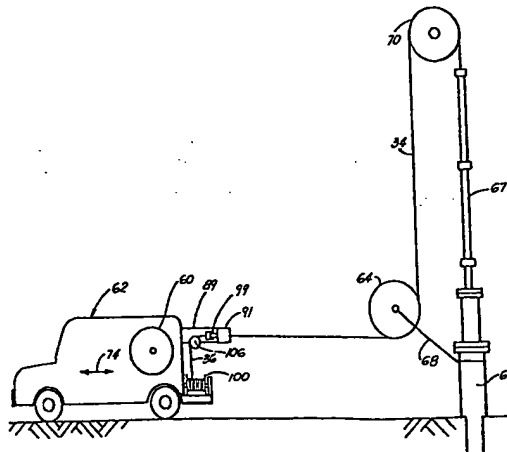
S.N. 666,846; Moore; Rolled-Formed Seat and Retainer for a Fluid-Tight Ferrule Seal on a Rigid Metal Tube Which is Harder Than the Ferrule, Method and Apparatus; Filed: Jun. 19, 1996.

Primary Examiner—George Suchfield  
Attorney, Agent, or Firm—Fulbright & Jaworski LLP

## [57] ABSTRACT

A method for inserting at least one conductor into an elongated length of metal coiled tubing, includes the steps of placing the coiled tubing in a substantially vertical passageway, inserting the conductor into the tubing, the leading end of the conductor including an elongated weight connected to the conductor, which weight is heavy enough to straighten the conductor enough to fall through the tubing, the weight having essentially no stiffness so that it is flexible enough to move through bends or irregularities in the tubing, allowing the conductor and weight to fall by gravity through the tubing, which has a sufficient helical pitch providing a hold-up force due to friction for preventing the conductors from breaking, until the desired length of conductor is inserted in the tubing, and removing the tubing with the conductor inside the tubing from the passageway and winding the tubing on a reel.

24 Claims, 11 Drawing Sheets



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